BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

WARD 7: BYATARAYANAPURA

Name of work:- Desilting and repairs to side walls of tertairy drains Amruthalli in ward no.07 Byatarayanapura Kodigehalli Sub Division.

Estimated Cost:- 10.00 Lakhs.

P-CODE:- P-3297.

Job sheet:- 007-18-000083.

Name of Work:- Desilting and repairs to side walls of tertairy drains Amruthalli in ward no.07 Byatarayanapura.

Estimated Cost:-10.00 Lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	From laxmi Narayana temple road to Pillagaluve (besides janatha colony)		1	106.00	0.90	0.90	85.86		
	Over burden earth		1	10.00	2.00	0.45	9.00		
					TOTAL		**94.86**	137.80	13072.00
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8with OPC @ 180 kgs, using 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.13, It.4.3)								
	RCC DRAIN- BOTTOM		1	106.00	0.90	0.15	14.31		
					TOTAL		**14.31**	5408.12	77391.00
	Basic Rate:	cum	**5102.00**						
	Area Weightage @ 6%		306.12						
	Total		**5408.12**						
3	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 14, Item NO. 4.11)								

	Bottom								
			1	106.00	0.75	0.15	11.93		
	Side Wall								
		2x2	2	106.00	0.15	0.90	28.62		
							40.55	5998.54	243211.00
	Basic Rate:	cum	**5659.00**						
	Area Weightage @ 6%		**339.54**						
	Total		**5998.54**						
4	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)								
	Reinforcement for side wall						40.55		
			At 55 Kg % per cum				**2.23**	75223.96	167748.00
	Basic Rate:	Tonne	70966.00						
	Area Weightage @ 6%		4257.96						
	Total		75223.96						
5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular sla**bs **/side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	SIDE WALL								
		2x4	4	106.00		0.90	381.60		
							381.60	483.36	184451.00
	Basic Rate:	Sqm	456.00						
	Area Weightage @ 6%		27.36						
	Total		483.36						
6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	DETA RATE	**Sqm**							
	Covering Slab								
			1	106		0.75	79.50		
							79.50	2100.00	166950.00

7	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)								
	Basic Rate	cum	**57.00**				94.86	94.34	8950.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10Km		**32.00**						
	Total		**89.00**						
	Add Area Weightage6%		**5.34**						
			94.34						
8						**Sub Total**			**861773.00**
9				**Add 12% GST charges**					103412.76
10				**Add 3% KRIDL charges**					25853.19
11				**Add 1% Labour cess charges**					8617.73
12				**Miscelleneous charges**					343.32
13						**Total**			**1000000.00**

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Ten lakhs only

Head of A/c P-3297

Div. Ref. No. 60/18-19 Date 01/02/19

AE 01/02 EE(BTP)

TECHNICAL SANCTION

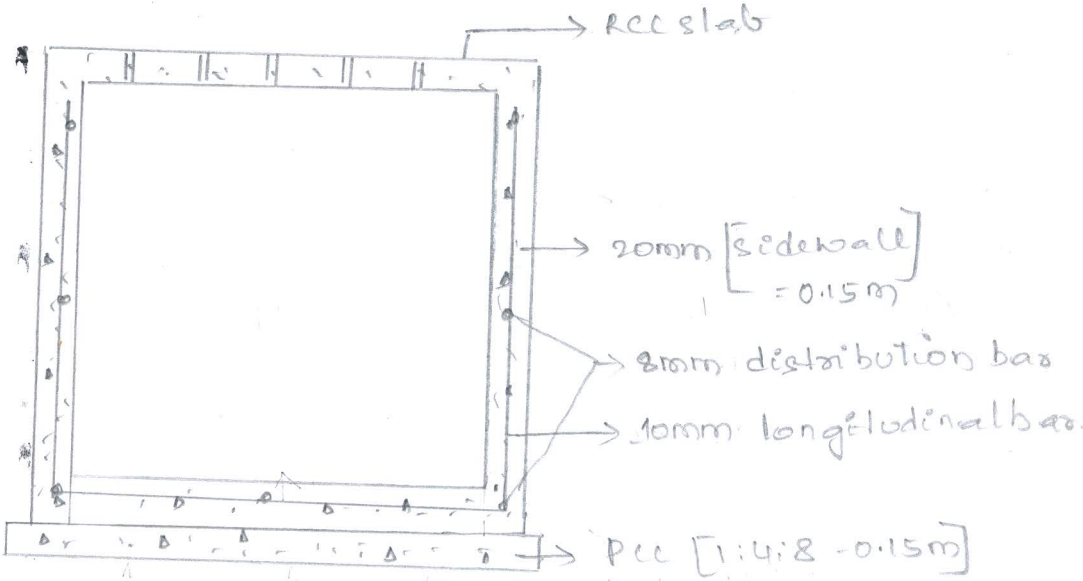
Accorded For Rs. Ten lakhs only

Head of A/c P-3297

Div. Ref. No. 104/18-19 Date 01/02/19

AE 01/02 EE(BTP)

Name of work:- Desilting and repairs to side walls of tertairy drains Amruthalli in ward no.07 Byatarayanapura, Kodigehalli Sub Division

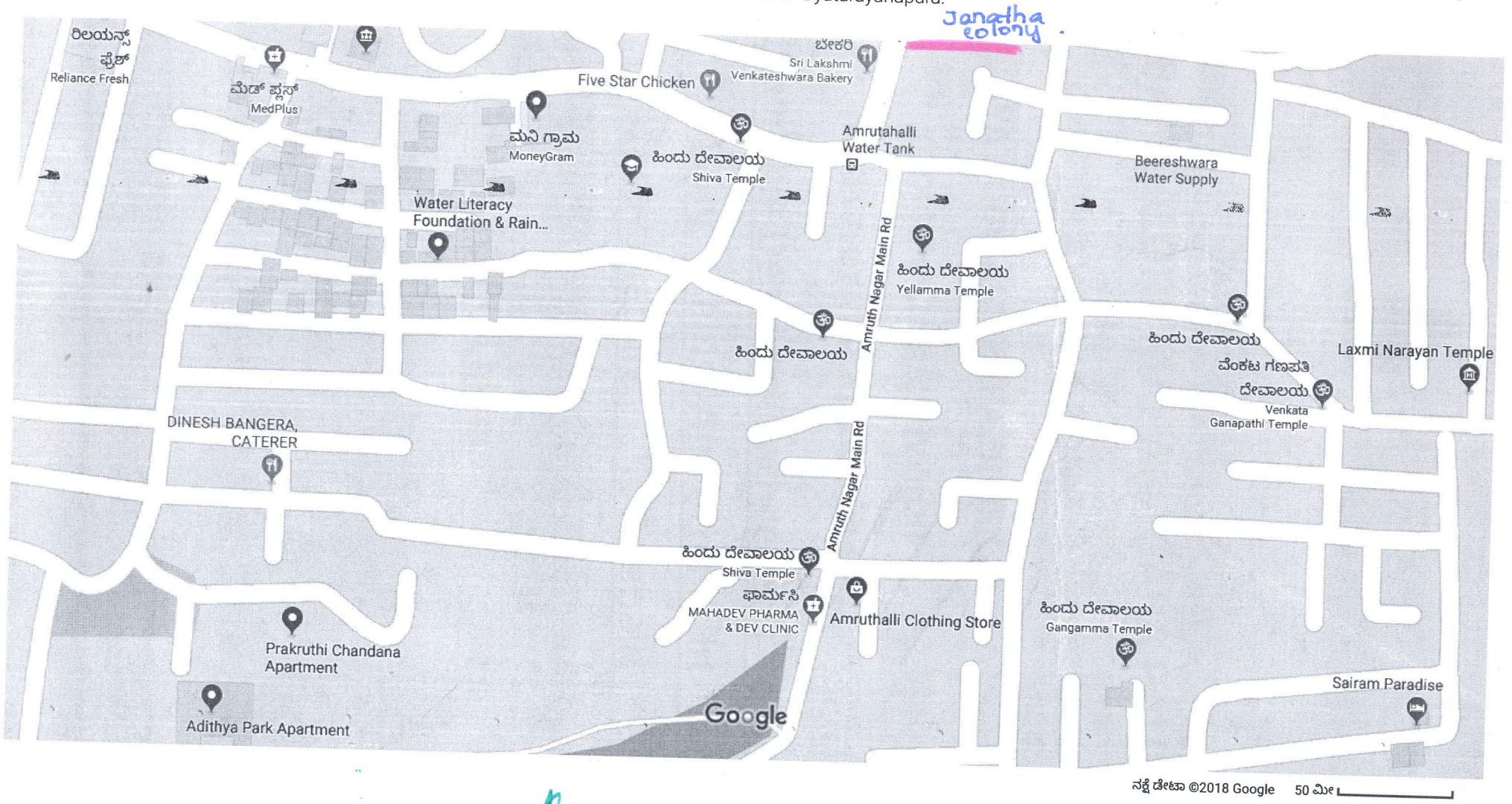


CROSS-SECTION OF RCC-DRAIN

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Kodigehalli Sub Division, BBMP

Google Desilting and repairs to side walls of tertairy drains Amruthalli in ward no.07 Byatarayanapura.



Ashith.ND
AE(IV)

Assistant Executive Engineer
Bangalore - 560 092